

*light creates colour...*



SHORT FORM  
**LIGHTING CATALOGUE**

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# Glossaries

## INGRESS PROTECTION AND IMPACT PROTECTION GLOSSARY

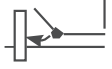
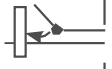









### IP 1st Figure Solid Particle Protection

- 0  No Protection.
- 1  Any large surface of the body > 50mm, such as the back of a hand.
- 2  Fingers or similar objects >12.5mm.
- 3  Tools, thick wires, etc. >2.5mm.
- 4  Most wires, screws, etc. >1mm.
- 5  Protected against dust.
- 6  No ingress of dust. (dust tight).

### IP 2nd Figure Liquid Particle Protection

- 0  No Protection.
- 1  Dripping water (vertically falling drops).
- 2  Water dripping at any angle up to 15° from the vertical.
- 3  Water falling as a spray at any angle up to 60° from the vertical.
- 4  Water splashing from any direction.
- 5  Water projected by a nozzle from any direction.
- 6  Water projected in powerful jets from any direction.
- 7  Immersion in water.
- 8  Continuous and prolonged immersion in water.

### IK Mechanical Impact Resistance

- 00 0.0J  No Protection.
- 01 0.15J 
- 02 0.20J 
- 03 0.35J 
- 04 0.50J 
- 05 0.70J 
- 06 1.00J 
- 07 2.00J 
- 08 5.00J 
- 09 10.00J 
- 10 20.00J 

## SYMBOL GLOSSARY

**IPXX**  
Ingress Protection Rating

  
Class I Insulation Classification

**1-10V**  
Dimming Protocol

**IKXX**  
Impact Protection Rating

**UGR <19**  
Unified Glare Rating

**EMG**  
Emergency Compatible

  
DALI Compatible

  
DALI D4i Compatible

# GENLUX LIGHTING

## ABOUT US

We as Genlux Lighting are one of the leading local manufacturers of high performance outdoor, commercial, industrial and roadway lighting continuously striving to incorporate local and international best available technologies in our products.

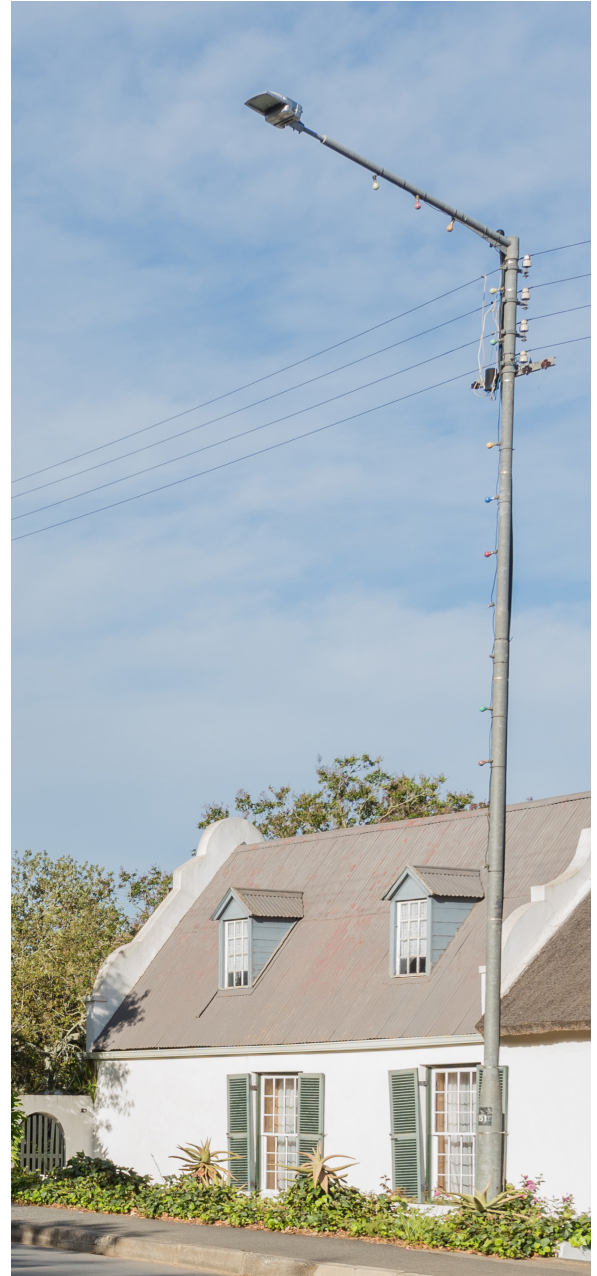
With this commitment to “B.A.T” (Best Available Technology) in our product range we have aligned ourselves with local and international technology partners to ensure that we meet all relevant technical standards, ensuring that we supply our customers with the highest quality products on time and at a competitive market related price. We are also proud to be 100% South African owned and managed.

Genlux Lighting has a strong focus on continuous improvement throughout the organisation which is reflected through the on-going optimisation of our current lighting range and the identification, sourcing and introduction of new lighting technologies to the South African market.

## OUR MISSION

Our mission, is to remain a sustainable and profitable business within the ACTOM (Pty) LTD group that provides quality products in the industrial, roadway, outdoor commercial, indoor commercial, area lighting and light management systems market sectors.

We intend, in particular, to provide energy efficient lighting solutions by utilising and offering the latest lighting technology and trends, combined with strong technical and solution support to our customers. We will serve the interests of our customers, staff and shareholders by continuously striving to achieve this task.



### Errors and omissions excepted

#### Important note:

Due to the rapid development in LED technology the performance values, power consumption and lumen output levels stated herewithin are subject to change without prior notice.

Technical changes and printing errors reserved

# GEN SERIES LED ROADWAY LIGHTING

## GEN ZERO



IP66



IK08

1-10V

### LED Options:

| Variation | Wattage (W) | Lumen output (lm) |
|-----------|-------------|-------------------|
| GEN 0     | 16 - 56     | 1 901 - 6 028     |

### Key Technical Information:

Light-weight, high-pressure die-cast LM6 powder coated aluminium with a clear tempered glass diffuser, Zhaga compliant lenses and open-protocol LMS systems compatible.  
Rear fixed spigot entry.

**LIFETIME:** Up to 100 000 hours @ L90 B10

## GEN I



IP66



IK08

1-10V

### LED Options:

| Variation    | Wattage (W) | Lumen output (lm) |
|--------------|-------------|-------------------|
| GEN I - SL 1 | 25 - 56     | 3 312 - 6 112     |
| GEN I - SL 2 | 51 - 111    | 6 624 - 12 224    |
| GEN I - SL 3 | 76 - 138    | 9 936 - 16 809    |
| GEN I - SL 4 | 155 - 201   | 18 208 - 23 809   |

### Key Technical Information:

High-pressure die-cast LM6 powder coated aluminium with a clear tempered glass diffuser, Zhaga compliant lenses and open-protocol LMS systems compatible. Rear or bottom adjustable spigot entry.

**LIFETIME:** Up to 100 000 hours @ L90 B10

## GEN II



IP66



IK08

1-10V

### LED Options:

| Variation     | Wattage (W) | Lumen output (lm) |
|---------------|-------------|-------------------|
| GEN II - SL 3 | 155 - 180   | 19 053 - 22 412   |
| GEN II - SL 4 | 184 - 270   | 23 184 - 31 620   |
| GEN II - SL 5 | 170 - 280   | 23 153 - 41 401   |

### Key Technical Information:

High-pressure die-cast LM6 powder coated aluminium with a clear tempered glass diffuser, Zhaga compliant lenses and open-protocol LMS systems compatible. Rear or bottom adjustable spigot entry.

**LIFETIME:** Up to 100 000 hours @ L90 B10

# LUXMO SERIES LED ROADWAY LIGHTING

## LUXMO I



IP66



IK08

1-10V

### LED Options:

| Wattage (W) | Lumen output (lm) |
|-------------|-------------------|
| 23 - 52     | 3 250 - 6 950     |
| 45 - 107    | 6 350 - 14 000    |

### Key Technical Information:

High-pressure die-cast LM6 powder coated aluminium with a clear tempered glass diffuser, Zhaga compliant lenses and open-protocol LMS systems compatible. Adjustable rear spigot entry.

**LIFETIME:** Up to 100 000 hours @ L90 B10

## LUXMO II



IP66



IK08

1-10V

### LED Options:

| Wattage (W) | Lumen output (lm) |
|-------------|-------------------|
| 77 - 137    | 11 100 - 18 600   |
| 137 - 205   | 20 500 - 28 100   |

### Key Technical Information:

High-pressure die-cast LM6 powder coated aluminium with a clear tempered glass diffuser, Zhaga compliant lenses and open-protocol LMS systems compatible. Adjustable rear spigot entry.

**LIFETIME:** Up to 100 000 hours @ L90 B10

# KRATOS SERIES LED FLOOD & AREA LIGHTING

## KRATOS MK I



IP66



IK08

### LED Options:

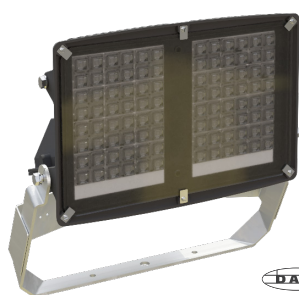
| Variation | Wattage (W) | Lumen output (lm) |
|-----------|-------------|-------------------|
| SI        | 215 - 244   | 25 661 - 29 883   |
| DB        | 330 - 488   | 41 477 - 59 766   |
| TR        | 600 - 733   | 73 131 - 89 649   |
| QU        | 661 - 977   | 82 954 - 119 532  |

### Key Technical Information:

High-pressure die-cast powder coated aluminium with a clear tempered glass diffuser, Zhaga compliant lenses. Multiple head configurations available with adjustable stirrup mounting systems.

**LIFETIME:** Up to 100 000 hours @ L90 B10

## KRATOS MK II



IP66



IK08

### LED Options:

| Variation | Wattage (W) | Lumen output (lm) |
|-----------|-------------|-------------------|
| SI        | 215 - 415   | 31 700 - 53 400   |
| DB        | 435 - 835   | 62 400 - 105 700  |
| TR        | 665 - 1 255 | 93 100 -          |

### Key Technical Information:

High-pressure die-cast powder coated aluminium with a clear tempered glass diffuser, Zhaga compliant lenses. Multiple head configurations available with adjustable stirrup mounting systems.

**LIFETIME:** Up to 100 000 hours @ L90 B10

# LED FLOOD & AREA LIGHTING

## GEN I FLOOD



IP66



IK08

1-10V

### LED Options:

| Variation    | Wattage (W) | Lumen output (lm) |
|--------------|-------------|-------------------|
| GEN I - FL 1 | 25 - 56     | 3 549 - 6 112     |
| GEN I - FL 2 | 111         | 12 224            |
| GEN I - FL 3 | 120 - 138   | 14 016 - 16 809   |
| GEN I - FL 4 | 155         | 18 208            |

### Key Technical Information:

High-pressure die-cast LM6 powder coated aluminium with a clear tempered glass diffuser, Zhaga compliant lenses.

**LIFETIME:** Up to 100 000 hours @ L90 B10

## GEN II FLOOD



IP66



IK08

1-10V

### LED Options:

| Variation     | Wattage (W) | Lumen output (lm) |
|---------------|-------------|-------------------|
| GEN II - FL 3 | 155 - 165   | 19 053 - 20 738   |
| GEN II - FL 4 | 206 - 270   | 25 404 - 31 620   |
| GEN II - FL 5 | 252 - 280   | 31 200 - 33 212   |

### Key Technical Information:

High-pressure die-cast LM6 powder coated aluminium with a clear tempered glass diffuser, Zhaga compliant lenses.

**LIFETIME:** Up to 100 000 hours @ L90 B10

## GEN SOLAR SERIES



IP66



IK08

1-10V

### LED Options:

| Variation | Wattage (W) | Lumen output (lm) |
|-----------|-------------|-------------------|
| GEN Zero  | 24 - 54     | 3 221 - 6 398     |
| GEN I     | 62 - 101    | 8 124 - 12 056    |

### Key Technical Information:

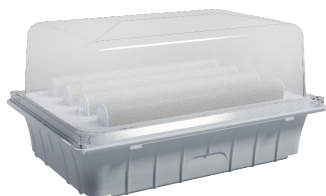
High-pressure die-cast LM6 powder coated aluminium with a clear tempered glass diffuser, Zhaga compliant lenses. Polycrystalline solar panel with 300W rated power, hail and corrosion resistant. Lithium battery. Charge controller with integrated LED driver and battery charger.

**LIFETIME:** Up to 100 000 hours @ L90 B10



# LED INDUSTRIAL LIGHTING

## VULCAN LED



IP66



EMG

### LED Options:

| Wattage (W) | Lumen output (lm) |
|-------------|-------------------|
| 35          | 4 630             |
| 50          | 6 945             |
| 70          | 9 260             |

### Key Technical Information:

High-pressure die-cast LM6 aluminium with a high-impact acrylic diffuser with internal prisms. Mounted on external foot pads.

**LIFETIME:** Up to 50 000 hours @ L80 B20

## VULCAN EVO



IP65



IK08

### LED Options:

| Wattage (W) | Lumen output (lm) |
|-------------|-------------------|
| 20          | 2 500             |
| 25          | 3 100             |
| 35          | 4 200             |
| 55          | 5 850             |

### Key Technical Information:

High-pressure die-cast LM6 powder coated aluminium with a tempered glass diffuser. Mounted on external foot pads.

**LIFETIME:** Up to 50 000 hours @ L80 B20

## CHI EVO



IP66



IK10

### LED Options:

| Length | Wattage (W) | Lumen output (lm) |
|--------|-------------|-------------------|
| 2 ft   | 10 - 15     | 1 260 - 1 950     |
| 4 ft   | 18 - 48     | 2 320 - 6 208     |
| 5 ft   | 22 - 54     | 2 810 - 7 090     |

### Key Technical Information:

UV stabilised and impact-resistant, grey polycarbonate body, UV stabilised and impact-resistant, translucent, polycarbonate diffuser and a rolled steel sheet metal reflector. Zone 2 / 22 version and different mounting options also available.

**LIFETIME:** Up to 50 000 hours @ L90 B10

# LED OUTDOOR LIGHTING

## NEPTUNE



IP65



### LED Options:

| Wattage (W) | Lumen output (lm) |
|-------------|-------------------|
| 16          | 2 700             |
| 35          | 4 000             |
| 50          | 6 820             |

### Key Technical Information:

High-pressure die-cast LM6 powder coated aluminium base with high-impact opal or clear acrylic diffuser and powder coated aluminium lid.

**LIFETIME:** Up to 60 000 hours @ L80 B20

## VENUS



IP65



### LED Options:

| Wattage (W) | Lumen output (lm) |
|-------------|-------------------|
| 8           | 1 080             |
| 10          | 1 307             |
| 15          | 1 680             |

### Key Technical Information:

High-pressure die-cast LM6 powder coated aluminium body with high-impact opal or prismatic acrylic diffuser. Optional trim rings available.

**LIFETIME:** Up to 50 000 hours @ L80 B20

## VESTA



IP66



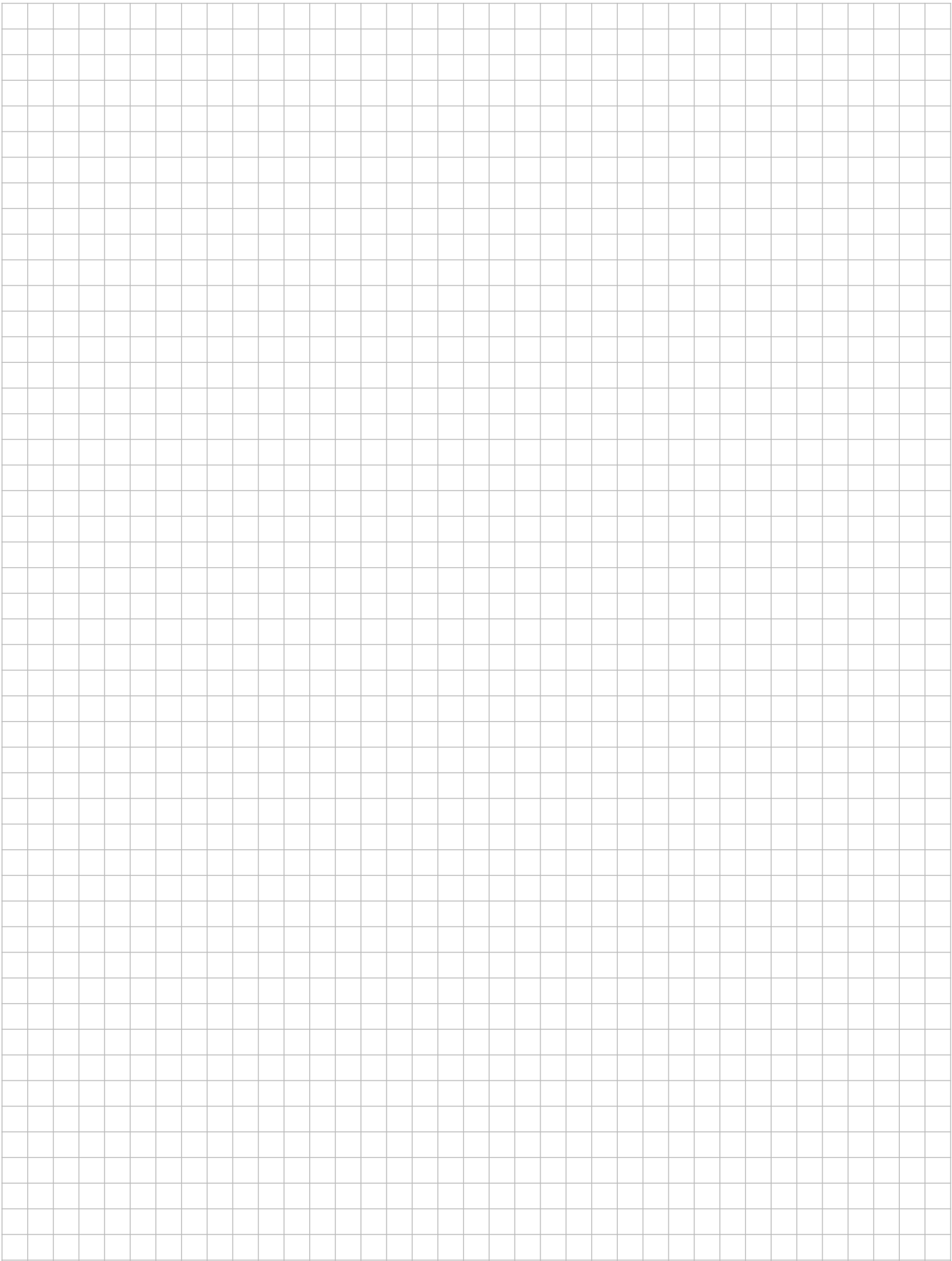
### LED Options:

| Wattage (W) | Lumen output (lm) |
|-------------|-------------------|
| 10          | 800               |
| 15          | 1 176             |

### Key Technical Information:

High-pressure die-cast LM6 powder coated aluminium body with high-impact opal acrylic diffuser, in dome or flat option.

**LIFETIME:** Up to 50 000 hours @ L80 B20





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a lighting technology company

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